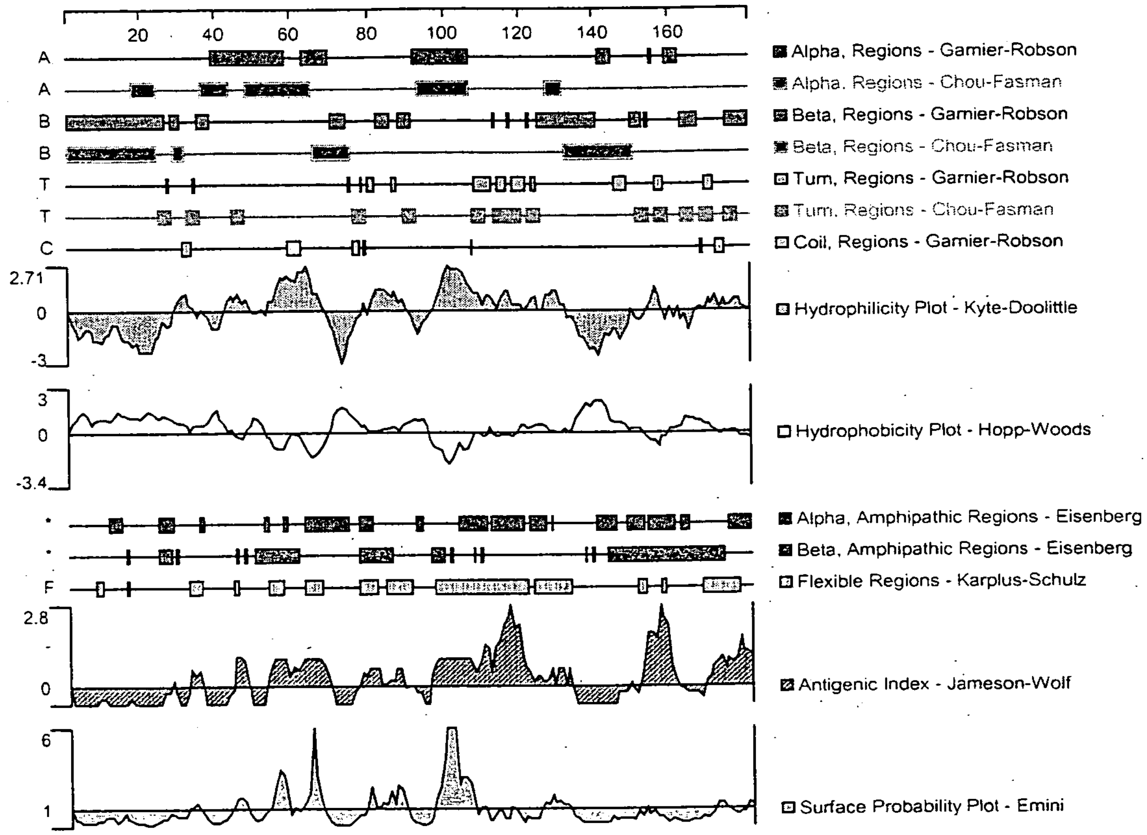
# Figure 1

```
  1  GATTCGGCACGAGAAACTTTTAAATCTTTAGTTATTTCTTAATACTTAGAACACTTAAAC   60

 61  AAAACTTTACAAAACAAAAGAGCAGAATAATTAGATCCTTTCAGGAGAATATGACTTTTT  120

121  TTTCCTAAGCACACTGGACCATAGAGGAAGACCAAAGGAATGTACAGTTGCCTGCTCCTT  180
  1                                         M  Y  S  C  L  L  L     7

181  CCTGACTTGCTGTATTTgACTCTGtCCCCACTGGTGGTGGCAATGCTATTAACCCCACAC  240
  8  P  D  L  L  Y  L  T  L  S  P  L  V  V  A  M  L  L  T  P  H     27

241  TTTAACGTGGCAAATCCCCAGAATCTGTTGGCTGGTCTCTGGCTAGAGAATGAGCACAGT  300
 28  F  N  V  A  N  P  Q  N  L  L  A  G  L  W  L  E  N  E  H  S     47

301  TTCACCCTTATGGCTCCAGAAAGAGCAAGAACACACCACTGCCAGCCAGAAGAGAGAAAA  360
 48  F  T  L  M  A  P  E  R  A  R  T  H  H  C  Q  P  E  E  R  K     67

361  GTCTTGTTCTGTCTCTTTCCCATTGTCCCAAATAGCCAAGCACAGGTTCAACCACCCCAA  420
 68  V  L  F  C  L  F  P  I  V  P  N  S  Q  A  Q  V  Q  P  P  Q     87

421  ATGCCACCCTTCTGCTGTGCAGCAGCCAAGGAAAAGACCCAGGAGGAGCAGCTCCAAGAA  480
 88  M  P  P  F  C  C  A  A  A  K  E  K  T  Q  E  E  Q  L  Q  E    107

481  CCTCTGGGCAGTCAGTGCCCAGATACTTGCCCCAATTCTTTGTGTCCAAGCCACACTCAG  540
108  P  L  G  S  Q  C  P  D  T  C  P  N  S  L  C  P  S  H  T  Q    127

541  CTGACAAAAGCCAACACTTTGTCTCTCTTTTTTTTTTTTTCTTTTTTTTTGAGCAGAGTT  600
128  L  T  K  A  N  T  L  S  L  F  F  F  F  S  F  F  L  S  R  V    147

601  TCACTCTTGTCACCCAGGCTGGAGTGCAATGgCAGGATCTTGGCTCATTGCAACCTCCAC  660
148  S  L  L  S  P  R  L  E  C  N  G  R  I  L  A  H  C  N  L  H    167

661  CtCCCGGGTTCAAGCAATTCTCCTGTCTCAGCCTCTCGA  699
168  L  P  G  S  S  N  S  P  V  S  A  S  R     180
```

# Figure 2


20
40
60
80
100
120
140
160
A
A
B
B
T
T
C
Alpha, Regions - Garnier-Robson
Alpha, Regions - Chou-Fasman
Beta, Regions - Garnier-Robson
Beta, Regions - Chou-Fasman
Turn, Regions - Garnier-Robson
Turn, Regions - Chou-Fasman
Coil, Regions - Garnier-Robson
2.71
0
-3
Hydrophilicity Plot - Kyte-Doolittle
3
0
-3.4
Hydrophobicity Plot - Hopp-Woods
Alpha, Amphipathic Regions - Eisenberg
Beta, Amphipathic Regions - Eisenberg
F
Flexible Regions - Karplus-Schulz
2.8
0
Antigenic Index - Jameson-Wolf
6
1
Surface Probability Plot - Emini